

Converting Colors

XYZ(58.6543, 71.5010, 35.8124)

Have a look what the booklet for
XYZ(58.6543, 71.5010, 35.8124)
contains.

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Color

**XYZ(58.8367, 71.7821,
35.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE68D
RGB	207, 230, 141
RGB Percent	81%, 90%, 55%
CMY	0.1882, 0.0980, 0.4470
CMYK	0.10, 0.00, 0.39, 0.10
HSL	76°, 64%, 73%
HSV	76°, 39%, 90%
XYZ	58.8367, 71.7821, 35.9536
YIQ	212.9770, 14.8610, -32.5550

Conversions

Conversions Part 2

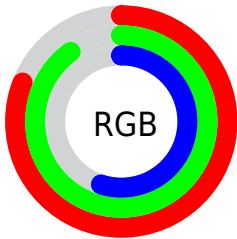
Format	Color
RYB	141, 230, 164
Decimal	13624973
CIELab	87.86, -21.56, 40.84
CIELCh	88, 46.180, 117.831
Yxy	71.7821, 0.3532, 0.4309
Android (android.graphics.Color)	4291815053 (0xFFCFE68D)
YUV	212.9770, -35.4847, -5.2418
Hunter-Lab	84.7243, -24.3084, 34.1467

Details

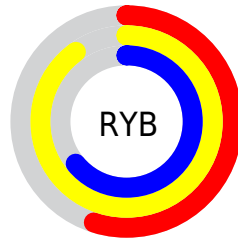
The XYZ color **58.8367, 71.7821, 35.9536** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.1204, 32.6573, 79.1086**, and the grayscale version is **63.4550, 66.7596, 72.7012**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **29.7017, 37.5727, 15.1380** is the 20% darker color. If you saturate the color by 10%, you get **55.6707, 70.3299, 27.7810**, and if you desaturate by 10%, it is **62.4242, 73.4151, 46.0039**.

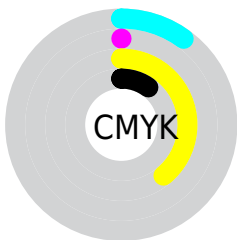
Distribution



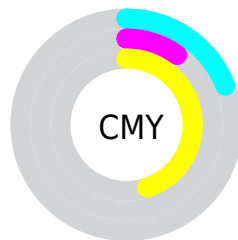
- Red (81%)
- Green (90%)
- Blue (55%)



- Red (55%)
- Yellow (90%)
- Blue (64%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8367, 71.7821, 35.9536 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.8367, 71.7821, 35.9536 by changing the saturation by 10% instead.

 58.8367, 71.7821,
35.9536

 58.8367, 71.7821,
35.9536


410.2003,
466.7828, 343.7890

 42.7275, 52.9807,
24.1090


 102.2563,
121.7467, 70.1287

 29.8650, 37.7874,
15.2015


 130.2974,
153.6787, 93.2962

 19.8837, 25.8177,
8.8127


163.0466,
190.7563, 121.0751

 12.4183, 16.6873,
4.5241

200.8691,
233.3639, 153.8839

 7.1035, 10.0118,
1.9170

244.1304,
281.8860, 192.1411

 3.5738, 5.4068,
0.5035

293.1958,

 1.4640, 2.4879,

336.7069, 236.2654

0.0000

348.4306,
398.2111, 286.6751

■ 0.3011, 0.8705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8367, 71.7821,
35.9536

■ 58.8367, 71.7821,
35.9536

■ 55.6707, 70.3299,
27.7810

■ 62.4242, 73.4151,
46.0039

■ 52.8981, 69.0397,
21.3648


■ 66.4489, 75.2278,
58.0339


■ 50.4953, 67.9045,
16.5765


■ 70.9318, 77.2312,
72.1441


■ 48.4336, 66.9127,
13.2685


■ 75.8913, 79.4326,
88.4265


 46.6790, 66.0507,
11.2661

 81.1819, 81.7740,
106.1130

 45.1813, 65.2983,
10.3087

 83.1970, 82.8129,
106.2073

 44.9961, 65.2047,
10.2142

 85.2785, 83.8859,
106.3047

 87.4270, 84.9935,
106.4052

 87.5883, 85.0767,
106.4128

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0288, 71.7821, 31.9684



58.8367, 71.7821, 35.9536



51.8698, 71.7821, 50.1830

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.8367, 71.7821, 35.9536



57.5918, 71.7821, 141.3287



91.5743, 71.7821, 80.4691

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.8367, 71.7821, 35.9536



39.1204, 32.6573, 79.1086

Split Complementary

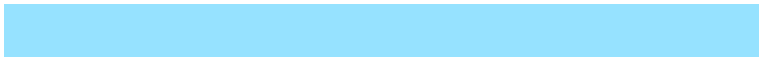
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7047, 71.7821, 114.9743



58.8367, 71.7821, 35.9536



67.4309, 71.7821, 155.4903

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.8367, 71.7821, 35.9536



51.2071, 71.7821, 109.9238



78.5662, 71.7821, 144.7522



88.6527, 71.7821, 53.1909

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.8367, 71.7821, 35.9536



49.5990, 71.7821, 66.0929



78.5662, 71.7821, 144.7522



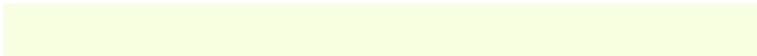
91.0166, 71.7821, 91.6098

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58.8385, 71.7853, 35.9551



87.6586, 96.7142, 84.8534



50.5850, 45.0315, 31.2261



18.6017, 20.6290, 17.6535



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.8385, 71.7853, 35.9551



71.2777, 89.3026, 37.4114



48.2624, 66.3331, 35.4602



15.2189, 16.6199, 15.3103



25.5925, 36.9749, 5.7880



1.9765, 2.7763, 0.4317

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.1204, 32.6573, 79.1086



43.2480, 33.6379, 98.8211



49.7525, 38.1384, 79.6061



13.9303, 14.0663, 18.1252



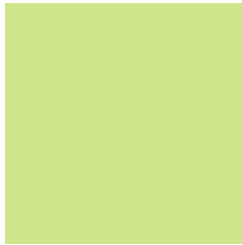
9.2191, 3.8185, 42.6343



0.7662, 0.3260, 3.1545

Previews

White Background



This preview shows how the XYZ color 58.8367, 71.7821, 35.9536 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.8367, 71.7821, 35.9536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

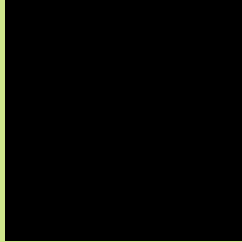
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.8367, 71.7821, 35.9536

Background



This preview shows how black text looks on a background with the XYZ color 58.8367, 71.7821, 35.9536.



This preview shows how white text looks on a background with the XYZ color 58.8367, 71.7821,

35.9536.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.8367, 71.7821, 35.9536

Protanopia

66.0437, 71.5178, 33.9904

Deuteranopia

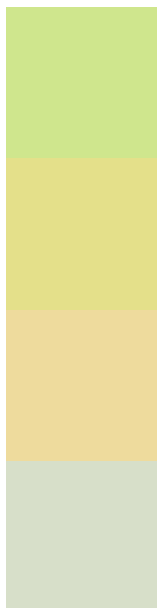
71.9172, 71.6017, 46.1065



Tritanopia

69.6853, 71.7792, 89.5389

Trichromacy



Original Color

58.8367, 71.7821, 35.9536

Protanomaly

63.2380, 71.6403, 34.5397

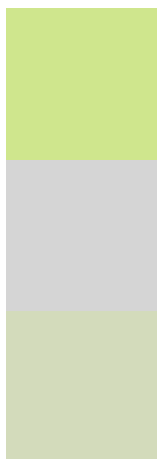
Deuteranomaly

66.6772, 71.2745, 42.1414

Tritanomaly

64.9546, 71.4395, 65.6241

Monochromacy



Original Color

58.8367, 71.7821, 35.9536

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.1651, 68.0998, 56.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8367, 71.7821, 35.9536 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(207, 230, 141)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(207, 230, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 141) }
```

Border

The CSS property to change the border of an element to XYZ 58.8367, 71.7821, 35.9536 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 230, 141) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(207, 230, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(207, 230, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 141);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8367, 71.7821, 35.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(207,  
230, 141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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